

Title (en)

FUEL SYSTEM WITH NECK SUPPORT DEBRIS MITIGATION

Title (de)

KRAFTSTOFFSYSTEM MIT ABLAGERUNGSMINDERUNG IM STUTZENTRÄGER

Title (fr)

SYSTÈME DE CARBURANT AVEC LIMITATION DES DÉBRIS DE SUPPORT DE COU

Publication

EP 3976410 A4 20240327 (EN)

Application

EP 20814614 A 20200529

Priority

- US 201962855572 P 20190531
- US 2020035382 W 20200529

Abstract (en)

[origin: WO2020243611A1] A fuel system including a mounting block assembly supporting an end of a fuel tank. The end of the fuel tank has a boss. The mounting block assembly encloses a space configured to receive the boss of the fuel tank. The fuel system also includes a bearing disposed in the space. The bearing has a support surface configured for sliding support of the boss of the fuel tank at an interface between the first portion and the second portion of the mounting block assembly. The mounting block assembly has a debris mitigation structure, such as one or more of a wiper disposed in the bearing adjacent to the support surface, an endcap configured to be mounted around the boss, and a cover configured to at least partially enclose a span of a boss between an enclosed space of the fuel tank and an inboard side of the mounting block assembly.

IPC 8 full level

B60K 15/067 (2006.01)

CPC (source: EP US)

B60K 15/03006 (2013.01 - EP US); **B60K 15/063** (2013.01 - EP); **B60K 15/067** (2013.01 - EP); **B60K 15/07** (2013.01 - US); **B60K 2015/03118** (2013.01 - US); **B60K 2015/0638** (2013.01 - US)

Citation (search report)

- [I] DE 102015009032 A1 20170112 - DAIMLER AG [DE]
- [I] EP 1513715 B1 20160817 - HEXAGON TECHNOLOGY AS [NO]
- [A] US 9914355 B2 20180313 - SLOAN TODD F [CA], et al
- [A] CN 201317264 Y 20090930 - DONGFENG MOTOR CO LTD [CN]
- [A] US 2637573 A 19530505 - COCHRANE ARTHUR L
- See also references of WO 2020243611A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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DOCDB simple family (application)

US 2020035382 W 20200529; BR 112021024184 A 20200529; CA 3141513 A 20200529; CO 2021016737 A 20211210; EP 20814614 A 20200529; MX 2021014452 A 20200529; US 202017595455 A 20200529